#2

OIPE

RAW SEQUENCE LISTING DATE: 12/12/2001 PATENT APPLICATION: US/10/005,907 TIME: 14:16:02

Input Set : A:\ES.txt

Output Set: N:\CRF3\12112001\1005907.raw



•		<11					ion (	Chim	ique	Bel	ge,	S.A.					<u> </u>			
	4				, Ka															
	5 6					Greg	ory hard		•											
		/12							OVET	CEN	בים א	eenc	ים ייז א ד	n wit	יונד אי	rrpp	CTC	ישמעט	DCENCT	TIVITY AND
MAST			0/1	TILL	Or	TIA A E	NIIO	N: N	OAFT	GEN	ES A	330C	THIE	D WI	IN A.	LLER	GIC	піры	KSENSI	IIVIII AND
MASI	9		Δ	~πTV	ATIO	N														
	_						E: 0	5352	9-50	05										
c>											S/10	/005	- 907							
C>												,	,,,,,,							
•							ID				• .									
							entI			n 3.	1									
			0> S																	
			1> L																	
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	20	<21	3> 0	RGAN	ISM:	Home	o saj	pien	s											
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			0> S1																	
		gaga	aaac	cga (	gtca	ctgt	ga aa						ctc o						51	
	30									Gly A	Asn '	_	Leu 1	Leu <i>i</i>	Arg 1	Lys :	Leu			
	31								1				5							
		_	_	_					_	_		_	aaa				-		99	
			Cys	Ļеu	GIY	Glu		GIn	Lys	ьуs	Pro	_	Lys	GTA	Asn	Pro				
		10					15					20					25		1.47	
													gaa Glu						147	
	39	GIU	GIU	ALG	тÃ2	30	GIII	Gru	Met	1111	35	Pile	GIU	AIG	гуѕ	10 40	GIII			
	_	αat	caa	αat	aar		age	caa	паа	att		tcc	act	tot	aat		таа		195	
													Thr						1))	
	43		01		45	_,,	001	0111	024	50	501	001		DCI	55	0111	O.Lu			
		aac	σασ	aat		aσt	aat	tct	gaa	_	ata	tac	tac	act.		att	aat		243	
													Tyr							
	47			60	•		•		65			•	•	70						
	49	cac	atc	ccc	cat	cag	aga	tcc	tcc	ctg	agc	tcc	aat	gat	gat	ggc	tat		291	
	50	His	Ile	Pro	His	Gln	Arg	Ser	Ser	Leu	Ser	Ser	Asn	Asp	Asp	Gly	Tyr			
	51		75					80					85							
	53	gag	aac	att	gac	tcc	ctc	aca	agg	aaa	gtg	aga	cag	ttt	aga	gaa	agg		339	
			Asn	Ile	Asp	Ser		Thr	Arg	Lys	Val	Arg	Gln	Phe	Arg	Glu	Arg			
	55						95					100					105			
													gtt						387	
		Ser	Glu	Thr	Glu	-	Ala	Leu	Leu	Arg		Ser	Val	Ser	Arg		Cys			
	59					110					115					120				
													ttt			taa			432	
		ser	Cys	Thr		GLu	His	Asp	Tyr		Va⊥	val	Phe	Pro			Ç			
	63				125					130					135					





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			cagtgcatga				552
			taggcaactc				612
			tgacctaaaa				672
73	aggacatgga	ggtgataaaa	aaaactttct	taggacaata	atgtaaaatg	aaaataaatt	732
		-	gaatggaccc				792
			catgatagga		_	-	852
	-		acaagtgacc				912
			ccaattccaa			_	972
			ctttgtctac				1032
			ttttctactg				1092
87	ctttcaacca	attgccaatc	agacaaactt	tgaatctacc	tatgacctgt	aagctctctc	1152
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		-	gtctccctaa	_		-	1272
		_	gacctcctga				1332
			taaatatttt			_	1392
97	ctccacaaat	atatgtccaa	gaatcttcaa	ttccaagcct	gctcaccaaa	tttcaaatgc	1452
			acctatttca				1512
101	tgtaagacca	gtgaccagac	c cctttgctaa	cctgacattt	acttcaattt	ttcttttct	1572
103	atgtactgga	ı tatttttgca	a tataaacttg	cagtaatagt	: tcaaaaatta	atagtttttg	1632
						ı gatgaaatga	1692
107	agcatatata	attgtcaatt	ttttcaattt	. tctagtcaac	e agagaatcga	aggattctgt	1752
109	tcaaatatta	gtaaaaattg	, aaaataaact	. tgtgcttata	ı ttttgtttgc	: aacacactag	1812
111	ttaatttaac	ctgtgactag	, ttatctctac	cgaaggtgga	ı tgtgtagttt	ctggttttaa	1872
113	aattcaagca	aactggaaaa	taatccatct	. aattatgctt	tctttcccaa	gaagttttt	1932
						cattcattat	1992
						atgcttggga	2052
119	ccagaagtgt	. tttggatttc	: agatttattt	. ttggattttg	gaatatttcc	: atacatataa	2112
121	tgagagagtt	. ggaaaatggg	, attcaagtct	. aatcataaaa	ı ttcacttatg	, tttgatatac	2172
	-					: ttatgcctga	2232
			-		_	: caagtcagtg	2292
	_					: cgagtacttt	2352
						tgcacaacac	2412
131	agtgagacct	. cgtttctaca	ı aataattaaa	. aaattagcca	. ggtgtggtgg	tgcacacctg	2472
133	tagtcccagg	tactcaggag	, gctgaggtag	taggattgtt	. tgagactggg	aggttgaggc	2532
						agaccctgtc	2592
137	tcaaaaaaaa	aaaaaagttt	. cagattttgg	agcatttcag	atcttcagat	tagggatttt	2652
	_	_	-	_		ctccagataa	2712
						cctcttgtgg	2772
	_		-	-	_	agtcattctg	2832
	_				_	aatttttac	2892
						taaaattaat	2952
						ttaataaaca	3012
						ggtggttcac	3072
						aagcaggatt	3132
						tgtataagtg	3192
						ttgaacattt	3252
	_		-			gaaaatgtaa	3312
161	ccactgtaag	ggtagagtta	taagaatttt	gtcaaatgta	ttcacccatg	tagtcacctc	3372



RAW SEQUENCE LISTING DATE: 12/12/2001 PATENT APPLICATION: US/10/005,907 TIME: 14:16:02

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165 167 169 171 173 175	cttatgaaga gacagaacac gtacatcete ecagaaagtt ecacagtget eetttteeet gagttteace agteetggea aceaatgate tgettegtat aattataact gttetagata tttgtageaa tgtaceettt ecatatttat tttgtgtgtg taaggettet tttagteatt ataatatttt tgagatteat etatgtttaa tgttetatea gtagttgtae atettaettg teeteageata teaceatata gatataetat aatttgttaa tetaateaet gatggatatg taggatattt aagtttttga eattatgaat aaagtggeta taaatgaaaa aaaaaaaaaa												
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	) <212> TYPE: PRT												
	L <213> ORGANISM: Homo sapiens 3 <400> SEQUENCE: 2												
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186													
	Lys Lys Pro Lys Lys Gly Asn Pro Asp Glu Glu Arg Lys Arg Gln Glu												
190	20 25 30												
	Met Thr Thr Phe Glu Arg Lys Leu Gln Asp Gln Asp Lys Lys Ser Gln												
194	35 40 45												
197	Glu Val Ser Ser Thr Ser Asn Gln Glu Asn Glu Asn Gly Ser Gly Ser												
198	50 55 60												
201	Glu Glu Val Cys Tyr Thr Val Ile Asn His Ile Pro His Gln Arg Ser												
202													
	Ser Leu Ser Ser Asn Asp Asp Gly Tyr Glu Asn Ile Asp Ser Leu Thr												
206	85 90 95												
	Arg Lys Val Arg Gln Phe Arg Glu Arg Ser Glu Thr Glu Tyr Ala Leu												
210	100 105 110												
213	Leu Arg Thr Ser Val Ser Arg Pro Cys Ser Cys Thr His Glu His Asp 115 120 125												
	Tyr Glu Val Val Phe Pro His												
218	130 135												
	<210> SEQ ID NO: 3												
	<211> LENGTH: 3663												
	<212> TYPE: DNA												
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		20											
		.80											
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	agcagttctg gagtgcctga acggccccct gagccctacc cgcctggccc act atg 2	96											
248	Met												





## RAW SEQUENCE LISTING PATENT APPLICATION: US/10/005,907 DATE: 12/12/2001 TIME: 14:16:02

Input Set : A:\ES.txt

Output Set: N:\CRF3\12112001\1005907.raw

249																1	
	gtc	caσ	ασσ	cta	t.aa	at.a	aσc	cac	ct.a	ct.a	caa	cac	caa	aaa			344
	Val																
253		-	,	5	-				10					15			
	ctc	ttq	ctq	qtc	aac	ctg	cta	acc	ttt	qqc	ctq	qaq	gtg	tqt	ttq	qcc	392
	Leu																
257			20					25		- 1			30	-			
259	gca	qqc	atc	acc	tat	qtq	ccq	cct	ctq	ctq	ctq	qaa	ata	aaa	qta	gag	440
	Āla						_		_	_	_	_			_		
261		35			•		40					45		-			
263	gag	aaq	ttc	atg	acc	atg	gtg	ctq	ggt	qaq	tca	cta	cat	cct	cct	tcc	488
	Ğlu																
265		-				55			-		60					65	
267	ttc	ctg	ttc	cag	ata	cat	gcc	acc	tgg	cat	gtg	gga	caq	qaq	tac	ctc	536
	Phe																
269					70				-	75		•			80		
271	tgc	cct	ggg	agc	tgc	ttg	gag	gga	gag	gtg	gtc	tgc	tgg	gaa	ggc	att	584
	Cys																
273	_		_	85	-			-	90			-	-	95	_		
275	gct	ggg	cag	gag	ggt	gac	cct	ggg	ctg	agg	ggg	cac	acc	aag	aga	aag	632
	Āla																
277			100		_	_		105		_	_		110	_	_	_	
279	aag	aga	ata	cca	agg	aca	tac	ccc	agt	cac	ctc	tgg	atc	cct	ggt	cct	680
280	Lys	Arg	Ile	Pro	Arg	Thr	Tyr	Pro	Ser	His	Leu	Trp	Ile	Pro	Gly	Pro	
281		115					120					125					
283	gca	cag	agc	ctg	gct	cat	agg	aga	cac	tgg	aga	aat	gct	cct	aac	ctt	728
284	Ala	Gln	Ser	Leu	Ala	His	Arg	Arg	His	Trp	Arg	Asn	Ala	${\tt Pro}$	Asn	Leu	
285	130					135					140					145	
	tgg		_			taa	ttta	itago	ega t	tato	ctcat	it ta	atgo	cttac	2		776
288	Trp	Leu	Ala	Leu	Leu												
289					150												
																ggttag	836
																aggtc	896
																cagata	956
				_	_	-	_				_					cccca	1016
																acgctg	1076
																ccatgc	1136
																aaatt	1196
	acac	cato	cc t	gtga	agac	g ta	igcac	agto	, tcg	_			-			ca tcc	1252
306												Me	et Le	eu Ph	ne Pi	o Ser	
307										•						155	
	ttc																1300
	Phe	Ser	Arg	Ser		Val	Pro	Leu	Pro		Ala	Leu	Tyr	Leu		GIn	
311					160					165					170		
	cca																1348
	Pro	Leu	Thr		Thr	Thr	Ser	Leu		Ala	Gly	Ile	Gly		Val	Leu	
315				175					180					185			2006
	ggc																1396
318	Gly	Leu	Val	Cys	Val	Pro	Leu	Leu	Gly	Ser	Ala	Ser	Asp	His	$\mathtt{Trp}$	Arg	



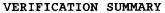
RAW SEQUENCE LISTING

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319			190					195					200				
321	gga	cgc.	tat	ggc	cgc	cgc	cgg	ccc	ttc	atc	tgg	gca	ctg	tcc	ttg	ggc	1444
322	Gly	Arg	Tyr	Gly	Arg	Arg	Arg	Pro	Phe	Ile	Trp	Ala	Leu	Ser	Leu	Gly	
323		205					210					215					
325	atc	ctg	ctg	agc	ctc	ttt	ctc	atc	cca	agg	gcc	ggc	tgg	cta	gca	ggg	1492
326	Ile	Leu	Leu	Ser	Leu	Phe	Leu	Ile	Pro	Arg	Ala	Gly	Trp	Leu	Ala	Gly	
327	220					225		•			230					235	
329	ctg	ctg	tgc	ccg	gat	ccc	agg	CCC	ctg	gag	ctg	gca	ctg	ctc	atc	ctg	1540
330	Leu	Leu	Cys	Pro	Asp	Pro	Arg	Pro	Leu	Glu	Leu	Ala	Leu	Leu	Ile	Leu	
331					240					245					250		
333	ggc	gtg	ggg	ctg	ctg	gac	ttc	tgt	ggc	cag	gtg	tgc	ttc	act	cca	ctg	1588
334	Gly	Val	Gly	Leu	Leu	Asp	Phe	Cys	Gly	Gln	Val	Cys	Phe	Thr	Pro	Leu	
335				255					260					265			
337	gag	gcc	ctg	ctc	tct	gac	ctc	ttc	cgg	gac	ccg	gac	cac	tgt	cgc	cag	1636
338	Glu	Ala	Leu	Leu	Ser	Asp	Leu	Phe	Arg	Asp	Pro	Asp	His	Cys	Arg	Gln	
339			270					275					280				
341	gcc	tac	tct	gtc	tat	gcc	ttc	atg	atc	agt	ctt	ggg	ggc	tgc	ctg	ggc	1684
342	Ala	Tyr	Ser	Val	Tyr	Ala	Phe	Met	Ile	Ser	Leu	Gly	Gly	Cys	Leu	Gly	
343		285					290					295					
345	tac	ctc	ctg	cct	gcc	att	gac	tgg	gac	acc	agt	gcc	ctg	gcc	ccc	tac	1732
346	Tyr	Leu	Leu	Pro	Ala	Ile	Asp	Trp	Asp	Thr	Ser	Ala	Leu	Ala	Pro	Tyr	
347	300					305					310					315	
349	ctg	ggc	acc	cag	gag	gag	tgc	ctc	ttt	ggc	ctg	ctc	acc	ctc	atc	ttc	1780
350	Leu	Gly	Thr	Gln	Glu	Glu	Cys	Leu	Phe	Gly	Leu	Leu	Thr	Leu	Ile	Phe	
351					320					325					330		
353	ctc	acc	tgc	gta	gca	gcc	aca	ctg	ctg	gtg	gct	gag	gag	gca	gcg	ctg	1828
354	Leu	Thr	Cys	Val	Ala	Ala	Thr	Leu	Leu	Val	Ala	Glu	Glu	Ala	Ala	Leu	
355				335					340					345			
357	ggc	CCC	acc	gag	cca	gca	gaa	ggg	ctg	tcg	gcc	ccc	tcc	ttg	tcg	CCC	1876
358	Gly	Pro	Thr	Glu	Pro	Ala	Glu	Gly	Leu	Ser	Ala	Pro	Ser	Leu	Ser	Pro	
359			350					355					360				
														tcc			1924
	His	Cys	Cys	Pro	Cys	Gln	Ala	Leu	Ser	Leu	Glu		Pro	Ser	Leu	Met	
363		365					370					375					
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	_	Thr	$\mathtt{Trp}$	Val	Leu		Ala	Val	Ala	Cys		His	Leu	His	Pro	-	
367						385					390					395	
														tgg			2020
	Ser													$\mathtt{Trp}$		Val	
371																	
														gcc			2068
	ser	Pro	Pro	-	Pro	GTÀ	Trp	Phe	_	Ala	GLY	Ala	Ser	Ala	Trp	Thr	
375				415					420					425			0116
														CCC			2116
	ser	Pro		rrp	тте	val	Pro		cys	cys	Pro	Arg		Pro	H1S	PLO	
379	+~+	++-	430	~c+		++~	+	435	+	~~~	- <del>- +</del>	a+ ~	440	a+~	a a +	2+2	2161
														ctg			2164
383	Cys	Leu 445	rrp	нта	PLO	ьeu		ser.	ser,	ATG	ser.	ьеи 455	ser.	Leu	PLO	TIE	
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PATENT APPLICATION: US/10/005,907

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date